

**CCR Fifth Annual Fellows and Young Investigators Retreat**  
February 28 ~ March 2, 2005, Marriot in Williamsburg, VA

**PROGRAM**

**Monday, February 28, 2005**

- 2:00 p.m.                    **Registration** (*Promenade*)
- 4:00 p.m.                    **Plenary Session I** (*Auditorium*)  
Opening Remarks and CCR Overview
- 4:15 p.m.                    **Keynote Speaker: Director's Address to CCR-FYI**  
*Andrew von Eschenbach, M.D., Director, National Cancer Institute*  
*Moderators: Derrick Cox, M.D., and Jeffrey Chiang, Ph.D.*
- 5:15 p.m.                    **National Postdoctoral Association: Working for Change**  
*Keith Micoli, Ph.D., University of Alabama and NPA*
- CCR-FYI Open Forum**  
*Moderators: Katherine Turner, Ph.D., and Margaret Pratt, Ph.D.*
- 6:15 p.m.                    **Dinner** (*Adams-Taylor Ballroom*)
- 7:30 p.m.                    **Concurrent Workshop I**
- 1. Principles of Investing: Introduction to Money Management for Trainees**  
*(Amphitheater)*  
*Meritt Tollefson, Realtor, Coldwell Banker Residential Brokerage*  
*Terry Merchant, Personal Financial Analyst, Primerica Financial Services*  
*Moderators: Swati Choksi, Ph.D. and Melinda Merchant, M.D., Ph.D.*
- 2. International Affairs** (*Auditorium*)  
*Moderators: Maja A. Bumke, Ph.D. and Anil Shanker, Ph.D.*
- Sorting out Visas at the NIH**  
*Deborah Fountain, Special Programs Manager, NCI*
- Overview of Immigration Responsibilities at NIH**  
*Amy Powers, Division of International Services, NIH*  
*Candelario Zapata, Division of International Services, NIH*
- Non-Immigrant Visa Issues for SAIC-Frederick Employees**  
*Deborah Higdon, Employment Specialist, SAIC-Frederick, Inc.*
- Research Career and Training Opportunities in Europe**  
*Mary Kavanagh, Ph.D., European Commission Delegation*
- Biomedical Research in France: The Involvement of INSERM**  
*Jean-Jacques Lawrence, Ph.D., Embassy of France*
- Career Opportunities in Germany**  
*Peter Gottstein, Embassy of Germany*

**Research and Development Infrastructures in Korea**

*Moo Park, Ph.D., National Institute on Drug Abuse, Korea Scientist Association*

**Fogarty International Center: Grants for Returning Scientists**

*Zakir Bengali, Fogarty International Center, Office for the South Asia Region including India*

**Opportunity and Challenge: Welcome back to Homeland**

*Jing-An Zhang, Embassy of the Peoples Republic of China*

**Opportunities for Health Research Career in Canada**

*Karl Tibelius, Ph.D., Canadian Institutes of Health Research*

9:00 p.m.

**International Affairs and Embassy Information Exhibits** (*Promenade*)

**Informal Mixer** (*Promenade*)

**Poster Session I Setup** (*Harrison Ballroom*)

**Mentored Lunch Sign-up** (*Registration*)

**Tuesday, March 1, 2005**

7:00 a.m.

**Continental Breakfast**

**Registration Open**

8:00 a.m.

**Plenary Session II** (*Auditorium*)

**Keynote Speaker**

*Rita Colwell, Ph.D., Founding President of the University of Maryland Biotechnology Center*

*Moderators: Melinda Merchant, M.D., Ph.D. and Jeffrey Chiang, Ph.D.*

9:00 a.m.

**Break**

9:15 a.m.

**Concurrent Workshop II**

**1. Career Workshop Panel** (*Auditorium*)

*Moderators: Kwang Suh, Ph.D. and Praveen Arany, D.D.S.*

**The Academia-Government Life Cycle: Margin and Mission**

*C. Norman Coleman, M.D., Laboratory Chief, Radiation Oncology Branch, NCI*

**From NCI Fellow to Industry and Back**

*Stefan Ambs, Ph.D., Tenure-Track Investigator, Laboratory of Human Carcinogenesis, NCI*

**Career Path Decisions in the Biotechnology World**

*Robert Balderas, Vice President, BD-Biosciences*

**Scientific Editing**

*Nadia Cervoni, Ph.D., Associate Editor, Nature Biotechnology*

**2. Grantsmanship** (*Amphitheater*)

*Moderators: Melissa Maderia, Ph.D. and Tamaro Hudson, Ph.D., M.P.H.*

**Mock Review of K22 Applications**

*Robert Bird, Ph.D., Resources and Training Review Branch, NCI*

10:30 a.m. **Poster Session I** (*Adams Ballroom*)  
**Pharmacology, Chemistry, and Virology**  
**Carcinogenesis, Cancer Models, Epidemiology and Cancer Prevention**  
**Signal Transduction and Gene Transcription**

12:00 a.m. **General and Mentored Lunch and Oral Presentation I Setup** (*Adams-Taylor Ballroom*)

1:30 p.m. **Plenary Session III** (*Auditorium*)  
**Keynote Speaker: Applications of Clinical Proteomics at the Bedside**  
*Emanuel F. Petricoin, Ph.D., Co-Director, NCI-FDA Clinical Proteomics Program*  
*Moderators: Valance Washington, Ph.D., and Margaret Pratt, Ph.D.*

2:30 p.m. **Break**

2:45 p.m. **Concurrent Oral Presentations I**  
**1. Pharmacology, Chemistry, and Virology** (*Room 2-3*)  
*Moderators: Chris J. Michejda, Ph.D. and Edwin Posadas, M.D.*

*Sohrab Bodaghi, HIV and AIDS Malignancy Branch*  
HPV16E2 and E6 Proteins Bind RNA and Inhibit RNA Splicing *In Vitro* Through Interaction with SR Proteins

*Vladimir Majerciak, HIV and AIDS Malignancy Branch*  
The N-Terminal Region of KSHV ORF57 Contains Major Determinants for Nuclear Localization and Posttranscriptional Activation of Gene Expression

*Sachindar S. Patil, Laboratory of Medicinal Chemistry*  
Examination of Bioisosteric Analogs of Aryldiketo Acids as HIV-1 Integrase Inhibitors Related to the Merck Clinical Candidate L-870810

*Jean-Philippe Therrien, Dermatology Branch*  
A Skin Gene Therapy Model for Systemic Delivery of a Therapeutic Gene Product

*Ling-hua Meng, Laboratory of Molecular Pharmacology*  
DNA-Protein Crosslinks and Replication-Dependent Histone H2AX Phosphorylation Induced by Amino flavone (NSC 686288), a Novel Anticancer Agent Active Against Human Breast Cancer Cells

**2. Carcinogenesis, Cancer Models, Epidemiology and Cancer Prevention I** (*Room A-B*)  
*Moderators: Lee Helman, M.D., and Martin Guimond, Ph.D.*

*David Mack, Mammary Biology and Tumorigenesis Laboratory*  
Expression of Truncated Int6/eIF3e in Mammary Alveolar Epithelium Leads to Persistent Hyperplasia and Tumorigenesis

*Yu-an Yang, Laboratory of Cellular and Molecular Biology*  
Smad3 Sensitizes Hepatocytes to FAS-Induced Apoptosis and Protects Liver from Chemically Induced Carcinogenesis

*Neelima Singh, Laboratory of Cell Regulation and Carcinogenesis*  
An Important Role for the TGF- $\beta$  Intermediate Smad3 as a Suppressor of Leukemogenesis

*Jing Hu, Gene Regulation Section, Laboratory of Cancer Prevention*

NF- $\kappa$ B in Oncogenesis and Cancer Prevention: Role of p65 Phosphorylation

**Jyotsna Pandey**, *Cell and Cancer Biology Branch*

Modulation of Smad3 and Bcl2 in Tumorigenesis and Tumor Progression in a K-ras Mutated Mouse Model of Lung Cancer in the Presence of TGF- $\beta$ 1 Heterozygosity

### **3. Signal Transduction and Gene Expression (Amphitheater)**

*Moderators: Stanley Hamilton, M.D., Ph.D., and Swati Choksi, Ph.D.*

**Gillian Whittaker**, *Laboratory of Experimental Immunology*

A Novel System for Examining TREM Signaling in the Myeloid Compartment

**Pal Kaposi-Novak**, *Laboratory of Experimental Carcinogenesis*

HGF/c-Met Signaling Pathway Regulates Genes Involved in Epithelial Homeostasis in Primary Hepatocytes

**Ana L. Romero**, *Laboratory of Experimental Immunology*

Requirement for Stat2 in Type I-Interferon-Induced Apoptosis

**Kelly C. Martin**, *Pediatric Oncology Branch*

BDNF Stimulates Invasion of Neuroblastoma Tumor Cells via Activation of TrkB Through the PI-3 Kinase and MAPK Pathways

**Motozo Yamashita**, *Laboratory of Cellular and Molecular Biology*

Ubiquitin Ligase Smurf1 Controls Osteoblast Activity and Bone Homeostasis by Targeting MEKK2 for Degradation

### **4. Molecular and Cellular Biology I (Auditorium)**

*Moderators: Barbara Vonderhaar, Ph.D., and Chandravanu Dash, Ph.D.*

**Alexandra Zoltan-Jones**, *Mammary Biology and Tumorigenesis Laboratory*

Notch Affects Mammary Tumorigenesis Through PDGFR Family Tyrosine Kinase Signaling

**Sung-Hyeok Hong**, *Tumor and Metastasis Biology Section*

The Membrane Cytoskeleton Linker Ezrin Provides a Survival Advantage to Metastatic Osteosarcoma Cells

**Seung-Beom Hong**, *Laboratory of Immunobiology*

Mitotic Arrest and Cellular Senescence by the Acute Inactivation of the VHL Gene

**Reema Wahdan**, *Pediatric Oncology Branch*

Expression of Human Unc-33-like Phosphoprotein (Ulip/CRMP-4/TUC4) and Family Members in Neuroblastoma During Retinoid-Induced Differentiation

**Julie L. Bronder**, *Women's Cancers Section, Laboratory of Pathology*

Identification of Therapeutic Targets in Breast Cancer Brain Metastases

4:30 p.m.

### **Plenary Session IV (Auditorium)**

#### **Keynote Speaker: mTor – A Molecular Determinant of Aggressive Behavior in Sarcomas**

**Lee Helman, M.D.**, *Chief, Pediatric Oncology Group, CCR, NCI*

*Moderators: Praveen Arany, D.D.S., and Sohrab Bodaghi, Ph.D.*

5:15 p.m.

#### **Office of the Director Address to CCR/Open Questions**

**Robert Wiltrout, Ph.D.**, *Principal Deputy Director, Laboratory of Experimental Immunology, CCR, NCI-Frederick*  
*Moderators: Kwang Suh, Ph.D., and Praveen Arany, D.D.S.*

6:00 p.m. **Dinner** (*Adams-Taylor Ballroom*)  
**Poster Session II Set up** (*Harrison Ballroom*)

7:00 p.m. **Poster Session II** (*Harrison Ballroom*)  
**Molecular and Cell Biology**  
**Genomics, Proteomics, and Bioinformatics**  
**Clinical and Translational Research**  
**Immunology and Genetics**

8:30 p.m. **Plenary Session V** (*Auditorium*)

**Special Seminar: Academia or Industry? The Decision Process**  
**David Jensen**, *monthly writer for Science NextWave and Managing Director for CareerTrax Inc.*  
*Moderators: Susan Lindtner, Ph.D., and Kathleen Dohoney, Ph.D.*

## **Wednesday, March 2, 2005**

7:00 a.m. **Continental Breakfast** (*Adams-Taylor Ballroom*)  
**Registration Open** (*Promenade*)

8:00 a.m. **Plenary Session V** (*Auditorium*)

**Keynote Speaker: Opportunities and Challenges in the New Era of Cancer Research**  
**Margaret Foti, Ph.D., M.D. (h.c.)**, *Chief Executive Office, American Association for Cancer Research (AACR)*  
*Moderators: Arti Patel, Ph.D., M.P.H., and Arindam Dhar, M.D., Ph.D.*

9:00 a.m. **Break**

9:15 a.m. **Concurrent Oral Presentation II**

**1. Molecular and Cellular Biology II** (*Auditorium*)  
*Moderators: Tom Misteli, Ph.D. and Cem Elbi, M.D., Ph.D.*

**Yuji Yamaguchi**, *Laboratory of Cell Biology*  
Response of Human Skin to Ultraviolet Radiation: Melanin-Containing Cells in the Upper Epidermis Protect Against DNA Damage in the Lower Epidermis and Increase the Rate of Apoptosis

**Julio C. Valencia**, *Pigment Cell Biology Section, Laboratory of Cell Biology*  
Plasma Membrane Sorting of Human PMEL17 (gp100): Evidence for Polarized Sorting of Melanosomal Proteins in Melanocytes

**Thomas Sebastian**, *Laboratory of Protein Dynamics and Signaling*  
C/EBP $\beta$  Cooperates with RB:E2F to Mediate Ras-Induced Cellular Senescence

**Rajeev K. Shrimali**, *Molecular Biology of Selenium Section, Laboratory of Cancer Prevention*  
Selenoproteins: Crucial factors in Mammalian Development

**Jareer N. Kassis**, *Laboratory of Pathology*

CAIR-1/BAG-3 Regulates Tumor Cell Adhesion and Migration by Modulating Signal Transduction and Cytoskeletal Reorganization Through its Proline-Rich Domain

**2. Genomics, Proteomics, and Bioinformatics and Clinical and Translational Research Combined** (Room 2-3)

*Moderators: Frederic Kaye, M.D., and Robert Dean, M.D.*

**Jessica Cassavaugh**, *Pediatric Oncology Branch*

Toward the Characterization of the Ezrin-Associated Metastatic Phenotype

**Benjamin Bruce**, *Tumor and Metastasis Biology Section, Pediatric Oncology Branch, and Tissue Array Research Program*

Cancer-Wide Tissue Microarray Survey of Ezrin and Merlin Expression

**Maja A. Bumke**, *Development Therapeutics Program, DCTD and SAIC-Frederick, Inc.*  
Proteomic Analysis of Hypoxic B16F10 Melanoma Cells

**Meghan S. Liel**, *Laboratory of Pathology*

Phase II Study of Gefitinib in Epithelial Ovarian Cancer: Proteomic Pathway Profiling in Tumor Biopsies

**Sei Hoon Yang**, *Laboratory of Population Genetics*

Mutations in the Tyrosine Kinase Domain of the Epidermal Growth Factor Receptor in Non-Small Cell Lung Cancer

**3. Immunology and Genetics** (Room A-B)

*Moderators: Barry Gause, M.D., and Jeffrey Chiang, Ph.D.*

**Gareth E. Davies**, *Basic Research Program, SAIC-Frederick, Inc.*

Identification of a Novel KIR Promoter that May Represent a Probabilistic Switch

**Byung-Gyu Kim**, *Laboratory of Cell Regulation and Carcinogenesis*

T Cell-Specific Smad4 Deficiency Results in the Accumulation of Plasma Cells in Mice

**Vainav Patel**, *Human Retrovirus Section, Vaccine Branch*

Decreased IL-12 and IL-15 Production and Impaired IL-12-Induced T-Helper Responses in HIV-1-Infected Individuals

**Soren Warming**, *Mouse Cancer Genetics Program, NCI-Frederick*

Recombineering: A Powerful Tool for Mouse Functional Genomics

**Guanping Sun**, *Laboratory of Immune Cell Biology*

Role of the Zinc Finger Protein cKrox During CD4/CD8 Lineage Differentiation in the Thymus

**4. Carcinogenesis, Cancer Models, Epidemiology and Cancer Prevention; and Signal Transduction and Gene Transcription, Combined II** (Amphitheater)

*Moderators: Nancy Colburn, Ph.D., and Arindam Dhar, M.D., Ph.D.*

**Fiona Simpkins**, *Molecular Signaling Section, Laboratory of Pathology*

The Role of the Secretory Leukocyte Protease Inhibitor (SLPI) and Granulin Epithelin Precursor (GEP) Axis in Ovarian Cancer

**Leah Sansbury**, *Laboratory of Biosystems and Cancer*

Inflammatory Cytokine Gene Polymorphisms, NSAID Use, and Risk of Adenoma Polyp

Recurrence in the Polyp Prevention Trial (PPT)

**Ethan A. Kohn**, *Laboratory of Cell Regulation and Carcinogenesis*  
Smad3 Gene Dosage Differentially Impacts upon Various TGF- $\beta$ -Mediated Biological Responses

**Soo-Jin Jeong**, *Virus Tumor Biology Section, Laboratory of Cellular Oncology*  
A Novel NF- $\kappa$ B Pathway Involving IKK $\beta$  and p65/RelA Ser-536 Phosphorylation Results in p53 Inhibition in the Absence of NF- $\kappa$ B Transcription Activity

**Thomas A. Johnson**, *Laboratory of Receptor Biology and Gene Expression*  
Transcription of the Mouse Mammary Tumor Virus Promoter Is Facilitated by Multiple Members of the swi/snf Family of Chromatin Remodeling Complexes

10:45 a.m.

**Break**

11:00 a.m.

**Concurrent Workshops**

**1. Skills for the Jobseekers** (*Amphitheater*)

*Moderators: Kathleen Dohoney, Ph.D., and Susan Lindtner, Ph.D.*

**Success Strategies and Job-Hunting Skills for Scientists**

**Dave Jensen**, *Managing Director, CareerTrax, Inc.*

**Seven Attributes of a Successful Hire**

**Tom Kotsopoulos**, *Recruitment Manager, Apotex, Inc.*

**2. Mentorship at NCI** (*Auditorium*)

*Moderators: Ramalakshmi Darbha, Ph.D., and Nicole LaRonde-LeBlanc, Ph.D.*

**Jonathan Wiest, Ph.D.**, *Office of Training and Education, CCR, NCI*  
(2003 awardee)

**Barbara Vonderhaar, Ph.D.**, *Mammary Biology and Tumorigenesis Laboratory, CCR, NCI*  
(2003 awardee)

**Daniel McVicar, Ph.D.**, *Laboratory of Experimental Immunology, CCR, NCI-Frederick*  
(2004 awardee)

**Nancy Colburn, Ph.D.**, *Chief, Laboratory of Cancer Prevention, CCR, NCI-Frederick*  
(2002 awardee)

12:00 p.m.

**General and Mentored Lunch** (*Adams-Taylor Ballroom*)

1:00 p.m.

**Plenary Session VII** (*Auditorium*)

**Keynote Speaker: The Cell Biology of Genomics in Cancer**

**Tom Misteli, Ph.D.**, *Laboratory of Receptor Biology and Gene Expression, CCR, NCI*  
*Head, Cell Biology of Genomes Group*  
*Moderators: Cem Elbi, M.D., Ph.D. and Kevin Chang, Ph.D.*

2:00 p.m.

**Travel Awards and Closing** (*Auditorium*)

*Moderators: Robert Wiltout, Ph.D., and Kevin Chang, Ph.D.*

4:15 p.m.

**Adjourn**

**2005 CCR Fellows and Young Investigators Retreat  
Travel Award Winners**

**Congratulations!**

**Eight \$1,000 Travel Awards**

Sponsored by the CCR Office of the Director

**Outstanding Oral Presentations**

Ethan Kohn  
Rajeev Shrimali  
Meghan Liel  
Gillian Whittaker

**Outstanding Poster Presentations**

Trina Stewart  
Kebin Liu  
Suneet Shukla  
Angela Lo